The J.B. Speed School of Engineering has been a leader in engineering education since its founding in 1925. It offers you the individualized instruction of a small engineering college coupled with the ample resources and activities of a major metropolitan university. Your Speed School education combines classroom instruction, research and real-world experiences to help you change the world for the better.

The Speed School offers some of the most sophisticated equipment available in the areas of nanotechnology, biotechnology, microelectromechanical systems, robotics, 3-D printing and cleanroom technology. You join faculty, staff, and other students who are actively involved in research areas including: energy and sustainability, advanced manufacturing and logistics, engineering human health, cyber-enabled discovery and materials science engineering. With a focus on making the world safer, more comfortable and more efficient, Speed School graduates shape the technology that will define the next century.

97% OF SPEED SCHOOL GRADUATES ACCEPTED A JOB WITHIN 90 DAYS OF GRADUATION

$62,567 IS THE MEDIAN SALARY REPORTED BY RECENT GRADUATES

#1 IN ENGINEERING CO-OP PLACEMENT WITHIN KENTUCKY
Beyond the classroom

COOPERATIVE EDUCATION
Through Speed School’s cooperative education program, you combine classroom knowledge with professional experience. Co-op students are paid an hourly wage and receive academic credit for each semester of work.

» Required three semesters (one year) of professional experience
» Typical co-op earnings of $34,000+ (inclusive of all three co-op rotations)
» Corporate-sponsored senior capstone projects
» Nearly one-third of Speed graduates accept employment offers from their co-op employers
» A sample of co-op employers includes LG&E, General Electric, NASA, Brown-Forman, DuPont, UPS, Michelin, Ford, Freudenberg Medical, Siemens, Cummins, Johnson & Johnson and Luckett & Farley.
» 300+ employers recruit our students for co-op and full-time placement

LIVE AND LEARN
Speed School offers you the chance to live on campus with your fellow engineering majors and participate in tailored programs that suit your personal and academic goals. Students who participate in the engineering living-learning community reside in Community Park, a residence hall in close proximity to the school. The ELLC offers free tutoring for our first-year courses. The ELLC has four focus points: leadership, community service, hands-on experience and career exploration. Programming is provided regularly to grow our engineering students outside of the classroom. Students who live within the ELLC have a higher GPA than their peers.

ACADEMIC & LEADERSHIP CENTER
Speed School is committed to the success of its students. The Speed School academic and leadership center focuses on two key components to success. Engineering students receive free tutoring in most of their fundamental and upper-level courses. In addition the engineering school provides a variety of leadership development programming from alumni speakers to ethical leadership training.

ENGINEERING GARAGE
The Speed School Engineering Garage is a large makerspace located next to the Additive Manufacturing Competency Center and GE FirstBuild. This is space for the student and by the student. All engineering competition teams, as well as some introductory courses, are housed within the garage. This is a place where you can come to design, 3-D print, build and collaborate with state-of-the-art technology from the day you become a Speed engineering student.
DEGREE PROGRAMS AND CAREER OPPORTUNITIES

BIOENGINEERING
Bioengineers develop prostheses, implants, medical devices and instruments, often teaming with medical doctors, physical therapists and other health care professionals. They work at biotech companies, research institutes within colleges and hospitals and pharmaceutical companies.

CHEMICAL ENGINEERING
Chemical engineers transform raw materials into finished products. They translate the developments that chemists and scientists make into large-scale production and work in industries including petrochemical, pharmaceutical, cosmetics and food processing.

CIVIL AND ENVIRONMENTAL ENGINEERING
Civil engineers design and oversee the construction of buildings, bridges, roads, dams and tunnels. Their jobs also have strong environmental components as civil engineers work with air quality, water resources, soil and rock.

COMPUTER ENGINEERING AND COMPUTER SCIENCE
Computer engineers are involved in the design, construction and operation of computers, with specializations including hardware or software, artificial intelligence, data mining and computer forensics.

ELECTRICAL AND COMPUTER ENGINEERING
Electrical engineers deal with the behaviors of electric charges, electric and magnetic phenomena and technology energized by electricity. Fields of work include robotics, computer hardware, nanotechnology, communications, and energy and power distribution.

INDUSTRIAL ENGINEERING
Industrial engineers are efficiency experts who organize the workforce, information and machinery with the idea of saving time and energy. They are employed in many different environments such as manufacturing, airports, theme parks and hospitals.

MECHANICAL ENGINEERING
Mechanical engineers design products that have moving parts and predict their performance under operating conditions that may involve pressure, fluids and extreme temperatures. They are members of most design teams including those in the automotive and aerospace industries.

RESEARCH OPPORTUNITIES
As early as your freshman year, you have the opportunity to get hands-on experience by collaborating with faculty, staff and industry partners on exciting research activities, focused on six interdisciplinary areas: energy and sustainability, advanced manufacturing and logistics, cyber-enabled discovery, engineering human health, advanced materials and nanoscience and engineering education. These efforts support our overall university mission to advance scientific knowledge and use that knowledge to train and launch the dreams of generations of students, enable research discoveries that transform the human condition and ensure the betterment of our community.

In addition to individual faculty laboratories, Speed School maintains several cross-discipline open-access core facility and interdisciplinary research centers/institutes specializing in strategic areas. These state-of-the-art facilities—which include the Additive Manufacturing Research Center, Computer Vision and Image Processing Laboratory, Conn Center for Renewable Energy Research, Engineering Garage, Micro-Nano Technology Center and Rapid Prototyping Center—support the overall research mission and allow us to tackle complex issues.

A complete list of research centers/institutes and facilities is available at louisville.edu/speed/research/groups.
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The University of Louisville is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (SACSCOC). For more information – louisville.edu/accreditation

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STUDENT ORGANIZATIONS AND CLUBS
Student organizations and clubs are a great way for you to get involved in campus life, connect with other students and develop leadership, collaboration, interpersonal and communication skills. Included in the university’s more than 450 student groups are more than three dozen active engineering student organizations. In engineering, teamwork is fundamental. That’s why Speed School students also have the opportunity to participate on competitive teams including: the Baja team, which builds and races an offroad recreational vehicle designed to endure challenging terrain; DerbyHacks, a 24-hour invention competition; Formula SAE, which designs and builds a prototype race car; Redbird Robotics, which offers all aspects of robotic design from concept and programming to manufacturing; and River City Rocketry, which competes in the annual NASA University Student Launch Initiative competition—in which the team has placed in the top five the past several years. Speed School hosts 40+ student organizations dedicated to your personal and professional growth.

For a complete list of the Speed School’s student organizations, visit louisville.edu/speed/people/RSOs.

APPLY
Ready to join the Cardinal Family? Apply now at: louisville.edu/apply. The application process is easy, and no essays or letters of recommendation are required. It is essential that you have a strong math and science background which typically includes chemistry, physics and calculus.

Minimum requirements: A high school pre-college curriculum including chemistry and calculus or pre-calculus

Our freshman profile:
- Average GPA of 3.8 on a 4.0 scale.
- Middle 50% have test scores ranging from 27 – 32 ACT or 1260 – 1440 SAT

For more information: louisville.edu/speed
For transfer admission guidelines: uofl.me/trf-admissions